



ENVIRONMENTAL SERVICES DEPARTMENT

AIR QUALITY DIVISION

1001 N Central Ave., Suite 200

Phoenix, Arizona 85004

TITLE V AIR QUALITY OPERATING PERMIT

Permit Number: V95-015

Issue Date: 8/17/1999

Expiration Date: 8/17/2004

Permittee Name: All American Pipeline, L.P.

Mailing Address: PO Box 40160, Bakersfield, CA 93384-0160

Business Name: All American Pipeline, L.P.

Facility Address: Gila Pump Station, SE/4 of the SE/4 of the NE/4, Section
29, T-2-S, R-4-W, Maricopa County, AZ

Equipment and Processes Covered: See attached list

This Permit is issued in accordance with Maricopa County Air Pollution Control Regulations, Rule 200, §303, and Arizona Revised Statutes, §49-404c and §49-480.

The attached Permit Conditions are incorporated into and form an integral part of this Permit.

Al Brown, MPA, RS
Maricopa County Air Pollution Control Officer

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**Permit Conditions
Permit Number V95-015
June 23, 1999**

In accordance with Maricopa County Air Pollution Control Rules and Regulations (Rules), Rule 210 § 302.2, all Conditions of this Permit are federally enforceable unless they are identified as being locally enforceable only. However, any Permit Condition identified as locally enforceable only will become federally enforceable if, during the term of this Permit, the underlying requirement becomes a requirement of the Clean Air Act (CAA) or any of the CAA's applicable requirements.

All federally enforceable terms and conditions of this Permit are enforceable by the Administrator of the United States Environmental Protection Agency (Administrator or Administrator of the USEPA hereafter) and citizens under the CAA.

Any cited regulatory paragraphs or section numbers refer to the version of the regulation that was in effect on the first date of public notice of the applicable Permit Condition unless specified otherwise.

GENERAL CONDITIONS:

1. **AIR POLLUTION PROHIBITED:** [County Rule 100 §301] [SIP Rule 3]
No person shall discharge from any source whatever into the atmosphere regulated air pollutants which exceed in quantity or concentration that specified and allowed in the County or SIP Rules, the Arizona Administrative Code (AAC) or the Arizona Revised Statutes (ARS), or which cause damage to property or unreasonably interfere with the comfortable enjoyment of life or property of a substantial part of a community, or obscure visibility, or which in any way degrade the quality of the ambient air below the standards established by the Maricopa County Board of Supervisors or the Director of the Arizona Department of Environmental Quality (ADEQ).
2. **CIRCUMVENTION:** [County Rule 100 §104] [40 CFR 60.12] [40 CFR 63.4]
A person shall not build, erect, install, or use any article, machine, equipment, condition, or any contrivance, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, conceals or dilutes an emission which would otherwise constitute a violation of this Permit or any Rule or any emission limitation or standard. No person shall circumvent the requirements concerning dilution of air contaminants by using more emission openings than is considered normal practice by the industry or activity in question.
3. **CERTIFICATION OF TRUTH, ACCURACY, AND COMPLETENESS:**
[County Rule 210 §§301.7, 302.1 e (1), 305.1(c)(1) & 305.1e]
Any application form, report, or compliance certification submitted pursuant to the County Rules or these Permit Conditions shall contain certification by a responsible official of truth, accuracy, and completeness of the application as of the time of submittal. This certification and any other certification required pursuant to the County Rules or these Permit Conditions shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
4. **COMPLIANCE:**
 - A. **COMPLIANCE REQUIRED:**
 - 1) The Permittee must comply with all conditions of this permit and with all applicable requirements of Arizona air quality statutes and the air quality rules. Compliance with permit terms and conditions does not relieve, modify, or otherwise affect the Permittee's duty to comply with all applicable requirements of Arizona air quality statutes and the Maricopa

County Air Pollution Control Regulations. Any permit non-compliance is grounds for enforcement action; for a permit revocation and reissuance, or revision; or for denial of a permit renewal application. Noncompliance with any federally enforceable requirement in this Permit constitutes a violation of the Act. [Federally enforceable if the condition or requirement itself is federally enforceable and only locally enforceable if the condition or requirement itself is locally enforceable only] [County Rule 210 §§301.8 b 4 & 302.1 h (1)]

- 2) The Permittee shall halt or reduce the permitted activity in order to maintain compliance with applicable requirements of Federal laws, Arizona laws, the County Rules, or other conditions of this Permit.
[County Rule 210 §302.1 h (2)]
- 3) For any major source operating in a nonattainment area for any pollutant(s) for which the source is classified as a major source, the source shall comply with reasonably available control technology (RACT) as defined in County Rule 100. [County Rule 210 §302.1 (h) (6)] [SIP Rule 220 §302.1]

Compliance with the RACT requirements of this Permit Condition for NO_x shall not be required if a waiver granted by the Administrator under Section 182 (f) of the Clean Air Act is in effect.

B. COMPLIANCE CERTIFICATION REQUIREMENTS: [County Rule 210 §305.1 d]

The Permittee shall file a semiannual compliance certification with the Control Officer and also with the Administrator of the USEPA. The report shall certify compliance with the terms and conditions contained in this Permit, including emission limitations, standards, or work practices. The certification shall be on a form supplied or approved by the Control Officer and shall include each of the following:

- 1) The identification of each term or condition of the permit that is the basis of the certification;
- 2) The compliance status;
- 3) Whether compliance was continuous or intermittent;
- 4) The method(s) used for determining the compliance status of the source, currently and over the reporting period; and
- 5) Other facts as the Control Officer may require to determine the compliance status of the source.

The semiannual certification shall be filed at the same time as the semiannual monitoring report required by the Specific Condition section of these Permit Conditions.

C. COMPLIANCE PLAN: [County Rule 210 §305.1g]

Based on the certified information contained in the application for this Permit, the facility is in compliance with all applicable requirements in effect as of the release date of the proposed conditions for this Permit. The Permittee shall continue to comply with all applicable requirements and shall meet any applicable requirements that may become effective during the term of this permit on a timely basis. [Federally enforceable if the applicable requirement itself is federally enforceable and only locally enforceable if the applicable requirement itself is locally enforceable only]

5. CONFIDENTIALITY CLAIMS: [County Rules 100 §402 and 200 §411]

Any records, reports or information obtained from any person pursuant to the County Rules or this Permit shall be available to the public, unless the person files a claim of confidentiality in accordance with ARS §49-487(c) which:

- A. Precisely identifies the information in the permit(s), records, or reports which is considered confidential, and
- B. Provides sufficient supporting information to allow the Control Officer to evaluate whether such information satisfies the requirements related to trade secrets or, if applicable, how the information, if disclosed, could cause substantial harm to the person's competitive position.

The claim of confidentiality is subject to the determination by the Control Officer as to whether the claim satisfies the claim for trade secrets.

A claim of confidentiality shall not excuse a person from providing any and all information required or requested by the Control Officer and shall not be a defense for failure to provide such information.

A source that has submitted information with an application under a claim of confidentiality pursuant to ARS 49-487 and County Rule 200 shall submit a copy of such information directly to the Administrator of the USEPA.

[County Rule 210 §301.5]

6. CONTINGENT REQUIREMENTS:

NOTE: This Permit Condition covers activities and processes addressed by the Clean Air Act which may or may not be present at the facility. This condition is intended to meet the requirements of both Section 504(a) of the 1990 Amendments to the CAA which requires that Title V permits contain conditions necessary to assure compliance with applicable requirements of the Act as well as the Acid Rain provisions required to be in all Title V permits.

A. ACID RAIN: [County Rule 210 §§302.1b(2) & 302.1f]

- 1) Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated pursuant to Title IV of the CAA and incorporated pursuant to County Rule 371, both provisions shall be incorporated into this Permit and shall be enforceable by the Administrator.
- 2) The Permittee shall not allow emissions exceeding any allowances that the source lawfully holds pursuant to Title IV of the CAA or the regulations promulgated thereunder and incorporated pursuant to County Rule 371.
 - a) No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program and incorporated pursuant to County Rule 371, provided that such increases do not require a permit revision pursuant to any other applicable requirement.
 - b) No limit is placed on the number of allowances held by the Permittee. The Permittee may not, however, use allowances as a defense to non-compliance with any other applicable requirement.
 - c) Any such allowance shall be accounted for according to the procedures established in regulations promulgated pursuant to Title IV of the CAA.
 - d) All of the following prohibitions apply to any unit subject to the provisions of Title IV of the CAA and incorporated into this Permit pursuant to County Rule 371:
 - (1) Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners or operators of the unit or the designated representative of the owners or operators.
 - (2) Exceedances of applicable emission rates.
 - (3) The use of any allowance prior to the year for which it was allocated.
 - (4) Violation of any other provision of the permit.

B. ASBESTOS:

[40 CFR 61, Subpart M] [County Rule 370 §301.8 - locally enforceable only]

The Permittee shall comply with the applicable requirements of Sections 61.145 through 61.147 of the National Emission Standard for Asbestos and County Rule 370 for all demolition and renovation projects.

C. RISK MANAGEMENT PLAN (RMP):

[40 CFR 68]

Should this stationary source, as defined in 40 CFR 68.3, be subject to the accidental release prevention regulations in Part 68, then the Permittee shall submit an RMP by the date specified in Section 68.10 and shall certify compliance with the requirements of Part 68 as part of the annual

compliance certification as required by 40 CFR Part 70. However, neither the RMP nor modifications to the RMP shall be considered to be a part of this Permit.

D. STRATOSPHERIC OZONE PROTECTION: [40 CFR 82 Subparts E, F, and G]

If applicable, the Permittee shall follow the requirements of 40CFR 82.106 through 82.124 with respect to the labeling of products using ozone depleting substances.

If applicable, the Permittee shall comply with all of the following requirements with respect to recycling and emissions reductions:

- 1) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- 2) Equipment used during maintenance, service, repair, or disposal of appliances must meet the standards for recycling and recovery equipment in accordance with 40 CFR 82.158.
- 3) Persons performing maintenance, service, repair, or disposal of appliances must be certified by a certified technician pursuant to 40 CFR 82.161.

If applicable, the Permittee shall follow the requirements of 40CFR Subpart G, including all Appendices, with respect to the safe alternatives policy on the acceptability of substitutes for ozone-depleting compounds.

7. DUTY TO SUPPLEMENT OR CORRECT APPLICATION: [County Rule 210 §301.6]

Any applicant who fails to submit any relevant facts or who has submitted incorrect information in a permit application shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary facts or corrected information. In addition, an applicant shall provide additional information as necessary to address any requirements that become applicable to the source after the date it filed a complete application but prior to release of a proposed permit.

8. EMERGENCY EPISODES: [County Rule 600 §302] [SIP Rule 72 e, f & g]

If an air pollution alert, warning, or emergency has been declared, the Permittee shall comply with any applicable requirements of County Rule 600 §302

9. EMERGENCY PROVISIONS: [County Rule 100 §501]

An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the requirements of this Permit Condition are met.

The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

- A. An emergency occurred and that the Permittee can identify the cause(s) of the emergency;
- B. The permitted source was at the time being properly operated;
- C. During the period of the emergency the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in this permit; and
- D. The Permittee as soon as possible telephoned the Control Officer giving notice of the emergency and submitted notice of the emergency to the Control Officer by certified mail or hand delivery within two working days of the time when emission limitations were exceeded due to the emergency. This notice fulfills the requirement of County Rule 210. This notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective action taken.

In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

This provision is in addition to any emergency or upset provision contained in any applicable requirement.

10. EXCESS EMISSIONS: [County Rule 100 §502 - locally enforceable only]

NOTES: This Permit Condition is based on a County Rule which has not been adopted into the State Implementation Plan and is therefore applicable only at the County level. There are reporting requirements associated with excess emissions. These requirements are contained in the Reporting section of the General Permit Conditions in a subparagraph called Excess Emissions.

A. Emissions in excess of an applicable emission limitation contained in the Rules or in these Permit Conditions shall constitute a violation. For all situations that constitute an emergency as described in Rule 100 §501, the affirmative defense and reporting requirements contained in Rule 100 §501 shall apply. In all other circumstances, it shall be an affirmative defense if the owner or operator of the source has complied with the reporting requirements of Rule 100 §502.3 and these Permit Conditions in a timely manner and has demonstrated all of the following:

- 1) The excess emissions resulted from a sudden and unavoidable breakdown of the process or the control equipment, resulted from unavoidable conditions during startup or shutdown, resulted from unavoidable conditions during an upset of operations, or that greater or more extended excess emissions would result unless scheduled maintenance is performed;
- 2) The air pollution control equipment, process equipment, or processes were at all times maintained and operated in a manner consistent with good practice for minimizing emissions;
- 3) Where repairs were required, such repairs were made in an expeditious fashion when the applicable emission limitations were being exceeded and off-shift labor and overtime were utilized where practical to insure that such repairs were made as expeditiously as possible. If off-shift labor and overtime were not utilized, the owner or operator satisfactorily demonstrated that such measures were impractical;
- 4) The amount and duration of the excess emissions (including any bypass operation) were minimized to the maximum extent practicable during periods of such emissions;
- 5) All feasible steps were taken to minimize the impact of the excess emissions on potential violations of ambient air quality standards;
- 6) The excess emissions were not part of a recurring pattern indicative of inadequate design, operation, or maintenance; and
- 7) During the period of excess emissions, there were no measured violations of the ambient air quality standards established in Rule 510 which could be attributed to the emitting source.

B. It shall be the burden of the owner or operator of the source to demonstrate, through submission of the data and information required by Rule 100 §502 and these Permit Conditions that all reasonable and practicable measures within the owner or operator's control were implemented to prevent the occurrence of excess emissions.

11. FEES: [County Rules 200 §409; 210 §302.1i; 210 §401]

The Permittee shall pay fees to the Control Officer pursuant to ARS 49-480(D) and County Rule 280.

12. MODELING: [locally enforceable only] [County Rule 200 §407]

Where the Control Officer requires a person to perform air quality impact modeling, the modeling shall be performed in a manner consistent with the "Guideline on Air Quality Models (Revised)" (EPA-450/2-78-027R, U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, N.C. 27711, July 1986) and "Supplement B to the Guideline on Air Quality Models" (U.S. Environmental Protection Agency, September 1990). Both documents shall be referred to hereinafter as "Guideline," and are adopted by reference. Where the person can demonstrate that an air quality impact

model specified in the guideline is inappropriate, the model may be modified or another model substituted if found to be acceptable to the Control Officer.

13. MONITORING / TESTING:

The Permittee shall monitor, sample, or perform other studies to quantify emissions of regulated air pollutants or levels of air pollution that may reasonably be attributable to the facility if required to do so by the Control Officer, either by Permit or by order.

[County Rule 200 §309]

Except as otherwise specified in these Permit Conditions or by the Control Officer, required testing used to determine compliance with standards or permit conditions established pursuant to the County or SIP Rules or these Permit Conditions shall be conducted in accordance with County Rule 270 and the applicable testing procedures contained in the Arizona Testing Manual for Air Pollutant Emissions or other approved USEPA test methods.

[County Rule 200 §408 & County Rule 270]

Equivalent test methods and procedures may be used in lieu of those described in this paragraph if approved by the Control Officer.

[County Rule 270 §402]

The owner or operator of a permitted source shall provide, or cause to be provided, performance testing facilities as follows:

- A. Sampling ports adequate for test methods applicable to such source.
- B. Safe sampling platform(s).
- C. Safe access to sampling platforms(s).
- D. Utilities for sampling and testing equipment.

[County Rule 270 §405]

14. PERMITS:

A. BASIC:

[County Rule 210 §302.1 h (3)]

This Permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the Permittee for a permit revision, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any Permit Condition.

B. PERMITS AND PERMIT CHANGES, AMENDMENTS AND REVISIONS:

[County Rule 200 §§301 & 308]

[County Rule 210 §§301.4a, b, & c, and 400]

The Permittee shall comply with the Administrative Requirements of Section 400 of County Rule 210 for all changes, amendments and revisions at the facility for any source subject to regulation under County Rule 200, shall comply with all required time frames, and shall obtain any required pre-approval from the Control Officer before making changes. All applications shall be filed in the manner and form prescribed by the Control Officer. The application shall contain all the information necessary to enable the Control Officer to make the determination to grant or to deny a permit or permit revision including information listed in County Rule 200 §308 and County Rule 210 §§301 & 302.3.

The Permittee shall supply a complete copy of each application for a permit, a minor permit revision, or a significant permit revision directly to the Administrator of the USEPA. The Control Officer may require the application information to be submitted in a computer-readable format compatible with the Administrator's national database management system.

[County Rule 210 §§303.1(a), 405.4, & 406.4]

The Control Officer may with reasonable cause require the applicant to provide additional information and may set a reasonable deadline for a response.

[County Rule 210 §301.4f]

No permit revision shall be required pursuant to any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit. [County Rule 210 §302.1j]

C. POSTING:

Any person who has been granted a permit shall keep a complete permit clearly visible and accessible on the site where the equipment is installed.
[County Rule 200 §311]

If a Dust Control Plan, as required by Rule 310, has been approved as a part of this Permit, a copy of the latest approved Dust Control Plan must be posted in a conspicuous site at the worksite, within on-site equipment, in an on-site vehicle, or otherwise kept readily available on site at all times. [County Rule 310 §402]

D. PROHIBITION ON PERMIT MODIFICATION: [County Rule 200 §310]

A person shall not willfully deface, alter, forge, counterfeit, or falsify this permit.

E. RENEWAL: [County Rule 210 §§ 301 & 302]

The Permittee shall submit an application for the renewal of this Permit in a timely and complete manner. For purposes of permit renewal, a timely application is one that is submitted at least six months, but not more than 18 months, prior to the date of permit expiration. A complete application shall contain all of the information required by the County Rules including Rule 200 §308 and Rule 210 §§301 & 302.3. [County Rule 210 §§301.2a and 301.4a, b, c, d, h]

All permit applications shall be filed in the manner and form prescribed by the Control Officer. To apply for a permit renewal, applicants shall complete the "Standard Permit Application Form" and shall supply all information, including the information required by the "Filing Instructions" as shown in Appendix B of the County Rules, which is necessary to enable the Control Officer to make the determination to grant or to deny a permit which shall contain such terms and conditions as the Control Officer deems necessary to assure a source's compliance with the requirements of the County Rules.

[County Rule 200 §§308 & 309] [County Rule 210 §301.1]

The Control Officer may with reasonable cause require the applicant to provide additional information and may set a reasonable deadline for a response.

[County Rule 210 § 301.4f]

If a timely and complete application for a permit renewal is submitted, but the Control Officer has failed to issue or deny the renewal permit before the end of the term of the previous permit, then the permit shall not expire until the renewal permit has been issued or denied. This protection shall cease to apply if, subsequent to the completeness determination, the applicant fails to submit, by the deadline specified by the Control Officer, any additional information identified as being needed to process the application.

[County Rules 200 §403.2 and 210 §§301.4f and 301.9]

F. REVISION / REOPENING / REVOCATION:

- 1) This permit shall be reopened and revised to incorporate additional applicable requirements adopted by the Administrator pursuant to the CAA that become applicable to the facility if this permit has a remaining permit term of three or more years. No such reopening is required if the effective date of the requirement is later than the date on which this Permit is due to expire unless the original permit or any of its terms have been extended pursuant to Rule 200 §403.2. [County Rules 200 §402.1]

Any permit revision required pursuant to this paragraph shall reopen the entire permit and shall comply with provisions in County Rule 200 for permit renewal (*Note: this includes a facility wide application and public comment on the entire permit*) and shall reset the five year permit term. [County Rules 200 §402.1a(1) & 210 §302.5, is locally enforceable only,

and would apply if the permit is reopened and revised under this paragraph by the Control Officer.]

Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall effect only those parts of the Permit for which cause to reopen exists. [40CFR 70.7(f)(2) and would apply if the permit is reopened and revised under this paragraph by the Administrator]

- 2) This permit shall be reopened and revised under any of the following circumstances:
 - a) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the Title V permit.
[County Rule 200 §402.1]
 - b) The Control Officer or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit. [County Rule 200 §402.1]
 - c) The Control Officer or the Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [County Rule 200 §402.1]

Proceedings to reopen and issue a permit under subparagraphs a), b), or c) of this subsection shall follow the same procedures as apply to initial permit issuance and shall effect only those parts of the Permit for which cause to reopen exists. [County Rule 200 §402.1]

- 3) In addition, this permit shall be reopened by the Control Officer and any permit shall be revised, when it is determined that standards or conditions in the permit are based on incorrect information provided by the applicant.
[County Rule 210 §407.3]
- 4) This Permit may be revised, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Permit revision, revocation and reissuance, or termination or of a notification of planned changes or anticipated noncompliance does not stay any Permit Condition.
[County Rule 210 §302.1 h (3)]

G. REVISION PURSUANT TO A FEDERAL HAZARDOUS AIR POLLUTANT STANDARD:

[locally enforceable only] [County Rule 210 §301.2c]

If the Permittee becomes subject to a standard promulgated by the Administrator pursuant to Section 112(d) of the CAA, the Permittee shall, within 12 months of the date on which the standard is promulgated, submit an application for a permit revision demonstrating how the source will comply with the standard.

H. REQUIREMENTS FOR A PERMIT:

Except as noted pursuant to the provisions in Sections 403 and 405 of County Rule 210, no source may operate after the time that it is required to submit a timely and complete application, except in compliance with a permit issued pursuant to County Rule 210. Permit expiration terminates the Permittee's right to operate. However, if a source submits a timely and complete application, as defined in County Rule 210 §301, for permit issuance, revision, or renewal, the source's failure to have a permit is not a violation of the County Rules until the Control Officer takes final action on the application. The Source's ability to operate without a permit as set forth in this paragraph shall be in effect from the date the application is determined to be complete until the final permit is issued. This protection shall cease to apply if, subsequent to the completeness determination, the applicant fails to submit, by the deadline specified in writing by the Control Officer, any additional information identified as being needed to process the application. If a source submits a timely and complete

application for a permit renewal, but the Control Officer has failed to issue or deny the renewal permit before the end of the term of the previous permit, then the permit shall not expire until the permit renewal has been issued or denied.

[County Rule 210 §301.9]

No person shall commence any earth moving operation or any dust generating operation without meeting the requirements of and obtaining any and all Earth Moving Equipment Permits and Permits to Operate required by County Rule 200. The provisions of this section shall not apply:

- 1) During emergency, life threatening situations or in conjunction with any officially declared disaster or state of emergency;
- 2) To operations conducted by essential service utilities to provide electricity, natural gas, oil and gas transmission, cable television, telephone, water, and sewerage during service outages and emergency disruptions;
- 3) To non-routine or emergency maintenance of flood control channels and water retention basins.
- 4) To vehicle test and development facilities and operations when dust is required to test and validate design integrity, product quality and/or commercial acceptance. Such facilities and operations shall be exempted from the provisions of this section only if such testing is not feasible within enclosed facilities. [County Rule 310 §302] [SIP Rule 310 §302]

The Permittee shall obtain a Permit To Burn from the Control Officer before conducting any open outdoor fire except for the activities listed in County Rule 314 §§302.1 and 302.2. [County Rules 314 & 200 §306] [SIP Rule 314]

I. RIGHTS AND PRIVILEGES: [County Rule 210 §302.1 h (4)]

This Permit does not convey any property rights nor exclusive privilege of any sort.

J. SEVERABILITY: [County Rule 210 §302.1g]

The provisions of this Permit are severable, and, if any provision of this Permit is held invalid, the remainder of this Permit shall not be affected thereby.

K. SCOPE:

The issuance of any permit or permit revision shall not relieve the owner or operator from compliance with any Federal laws, Arizona laws, or the County or SIP Rules, nor does any other law, regulation or permit relieve the owner or operator from obtaining a permit or permit revision required under the County Rules. [County Rule 200 §308] [SIP Rule 22H]

Nothing in this permit shall alter or affect the following:

- 1) The provisions of Section 303 of the Act, including the authority of the Administrator pursuant to that section.
- 2) The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance.
- 3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act.
- 4) The ability of the Administrator of the USEPA or of the Control Officer to obtain information from a source pursuant to Section 114 of the Act, or any provision of State law.
- 5) The authority of the Control Officer to require compliance with new applicable requirements adopted after the permit is issued. [locally enforceable only] [County Rule 210 §407.2]

L. TERM OF PERMIT: [County Rule 210 §§302.1a & 402]

This Permit shall remain in effect for no more than 5 years from the date of issuance.

M. TRANSFER: [County Rule 200 §404]

Except as provided in ARS 49-429 and County Rule 200, this permit may be transferred to another person if the person who holds the permit gives notice to the Control Officer in writing at least 30

days before the proposed transfer and complies with the permit transfer requirements of County Rule 200 and the administrative permit amendment procedures pursuant to County Rule 210.

15. RECORDKEEPING:

A. RECORDS REQUIRED:

[County Rule 100 §503]

The owner or operator of any air pollution source shall maintain records of all emissions testing and monitoring, records detailing all malfunctions which may cause any applicable emission limitation to be exceeded, records detailing the implementation of approved control plans and compliance schedules, records required as a condition of any permit, records of materials used or produced and any other records relating to the emission of air contaminants which may be requested by the Control Officer.

B. RETENTION OF RECORDS:

Information and records required by the Control Officer or these Permit Conditions as well as copies of summarizing reports recorded by the owner or operator and submitted to the Control Officer shall be retained by the owner or operator for five years after the date on which the pertinent report is submitted.

[County Rule 100 §506]

Records of all required monitoring data and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings or physical records for continuous monitoring instrumentation, and copies of all reports required by the permit.

[County Rule 210 §§302.1 d (2) and 305.1 b (2)]

C. MONITORING RECORDS: [County Rule 210 §§302.1 d (1) and 305.1 b (1)]

Records of any monitoring required by this Permit shall include the following:

- 1) The date, place as defined in the permit, and time of sampling or measurements;
- 2) The date(s) analyses were performed;
- 3) The company or entity that performed the analyses;
- 4) The analytical techniques or methods used;
- 5) The results of such analyses; and
- 6) The operating conditions as existing at the time of sampling or measurement

D. RIGHT OF INSPECTION OF RECORDS:

[County Rule 100 §106]

When the Control Officer has reasonable cause to believe that any person has violated or is in violation of any provision of County Rule 100 or any County Rule adopted pursuant to County Rule 100, or any requirement of this permit, the Control Officer may request, in writing, that such person produce all existing books, records, and other documents evidencing tests, inspections, or studies which may reasonably relate to compliance or noncompliance with County Rules adopted pursuant to County Rule 100. No person shall fail nor refuse to produce all existing documents required in such written request by the Control Officer.

16. REPORTING:

NOTE: See the Permit Condition titled Certification Of Truth, Accuracy and Completeness in conjunction with reporting requirements.

A. ANNUAL EMISSION INVENTORY QUESTIONNAIRE: [County Rule 100 §507]

Upon request of the Control Officer and as directed by the Control Officer, the Permittee shall complete and shall submit to the Control Officer an annual emissions inventory report. The report is due by April 30 or 90 days after the Control Officer makes the inventory form(s) available, whichever occurs later.

The annual emissions inventory report shall be in the format provided by the Control Officer.

The Control Officer may require submittal of supplemental emissions inventory information forms for air contaminants pursuant to Arizona Revised Statutes (ARS) §49-476.01, ARS §49-480.03 and ARS §49-480.04.

B. DATA REPORTING:

[County Rule 100 §504]

When requested by the Control Officer, a person shall furnish to the Maricopa County Air Quality Division (Division hereafter) information to locate and classify air contaminant sources according to type, level, duration, frequency and other characteristics of emissions and such other information as may be necessary. This information shall be sufficient to evaluate the effect on air quality and compliance with the County or SIP Rules. The owner or operator of a source requested to submit information pursuant to this Permit may subsequently be required to submit annually, or at such intervals specified by the Control Officer, reports detailing any changes in the nature of the source since the previous report and the total annual quantities of materials used or air contaminants emitted.

C. DEVIATION REPORTING:

[County Rules 100 §501.3d & 210 §§302.1 e & 305.1(c)]

The Permittee shall promptly report deviations from permit requirements, including those attributable to upset conditions. Unless specified otherwise elsewhere in these Permit Conditions, an upset for the purposes of this Permit Condition shall be defined as the operation of any process, equipment or air pollution control device outside of either its normal design criteria or operating conditions specified in this Permit and which results in an exceedance of any applicable emission limitation or standard. The report shall be submitted to the Control Officer by certified mail, facsimile, or hand delivery within two working days of the knowledge of the deviation and shall contain a description of the probable cause of such deviations, and any corrective actions or preventive measures taken. In addition, the Permittee shall report within a reasonable time of any long term corrective actions or preventative actions taken as the result of any deviations from permit requirements.

All instances of deviations from the requirements of this Permit shall also be clearly identified in the semiannual monitoring reports required in the Specific Condition section of these Permit Conditions.

D. EMERGENCY REPORTING: [County Rule 100 §501]

(NOTE: Emergency Reporting is one of the special requirements which must be met by a Permittee wishing to claim an affirmative defense under the emergency provisions of Rule 100 §501. These provisions are listed earlier in these General Conditions in the section titled "Emergency Provisions." Since it is a form of deviation reporting, the filing of an emergency report also satisfies the requirement of Rule 210 to file a deviation report)

The Permittee shall, as soon as possible, telephone the Control Officer giving notice of the emergency and submitted notice of the emergency to the Control Officer by certified mail or hand delivery within two working days of the time when emission limitations were exceeded due to the emergency. This notice fulfills the requirement of County Rule 210. This notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective action taken.

E. EMISSION STATEMENTS REQUIRED AS STATED IN THE ACT:

[County Rule 100 §505]

Upon request of the Control Officer and as directed by the Control Officer, the owner or operator of any source which emits or may emit oxides of nitrogen (NO_x) or volatile organic compounds (VOC) shall provide the Control Officer with an emission statement, in such form as the Control Officer prescribes, showing measured actual emissions or estimated actual emissions of NO_x and VOC from that source. At a minimum the emission statement shall contain all information contained in the "Guidance on Emission Statements" document as described in the USEPA's Aerometric Information Retrieval System (AIRS) Fixed Format Report (AFP 644). The statement shall contain emissions for the time period specified by the Control Officer. Statements shall be submitted annually. The Control Officer may waive this requirement for the owner or operator of any source which emits less than 25 tons per year of oxides of nitrogen or volatile organic compounds with an approved emission inventory for sources based on the USEPA's Compilation of Air Pollutant Emission Factors (AP-42) or other methodologies approved by the Administrator.

F. EXCESS EMISSIONS REPORTING: [locally enforceable only] [County Rule 100 §502]

(NOTE: This reporting subsection is associated with the requirements listed earlier in these General Conditions in the section titled "Excess Emissions.")

1) Excess emissions shall be reported as follows:

- a) The Permittee shall report to the Control Officer any emissions in excess of the limits established either by the Rules or these Permit Conditions. The report shall be in two parts as specified below:
 - (1) Notification by telephone or facsimile within 24 hours of the time when the owner or operator first learned of the occurrence of excess emissions including all available information from paragraph F. 1) b) below of this Permit Condition.
 - (2) Detailed written notification within 72 hours of the telephone notification pursuant to paragraph F. 1) a) (1) above of this Permit Condition.
- b) The excess emissions report shall contain the following information:
 - (1) The identity of each stack or other emission point where the excess emissions occurred.
 - (2) The magnitude of the excess emissions expressed in the units of the applicable emission limitation and the operating data and calculations used in determining the magnitude of the excess emissions.
 - (3) The time and duration or expected duration of the excess emissions.
 - (4) The identity of the equipment from which the excess emissions emanated.
 - (5) The nature and cause of such emissions.
 - (6) If the excess emissions were the result of a malfunction, steps taken to remedy the malfunction and the steps taken or planned to prevent the recurrence of such malfunction.
 - (7) The steps that were or are being taken to limit the excess emissions. If this Permit contains procedures governing source operation during periods of startup or malfunction and the excess emissions resulted from start-up or malfunction, the report shall contain a list of the steps taken to comply with the Permit procedures.

- 2) In the case of continuous or recurring excess emissions, the notification requirements of this section of this rule shall be satisfied if the source provides the required notification after excess emissions are first detected and includes in such notification an estimate of the time the excess emissions will continue. Excess emissions occurring after the estimated time period or changes in the nature of the emissions as originally reported shall require additional notification pursuant to Rule 100 §502.3(a)(2).

G. OTHER REPORTING:

[County Rule 210 §302.1 h (5)]

The Permittee shall furnish to the Control Officer, within a reasonable time, any information that the Control Officer may request in writing to determine whether cause exists for revising, revoking and reissuing this permit, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to the Control Officer copies of records required to be kept by this Permit. For information claimed to be confidential, the Permittee shall furnish a copy of such records directly to the Administrator along with a claim of confidentiality as covered elsewhere in these Permit Conditions.

17. RIGHT TO ENTRY AND INSPECTION OF PREMISES:

[County Rules 100 §105 and 210 §305.1f]

The Control Officer during reasonable hours, for the purpose of enforcing and administering County Rules, or any provision of the Arizona Revised Statutes relating to the emission or control prescribed pursuant thereto, may enter every building, premises, or other place, except the interior of structures used as private residences. Every person is guilty of a petty offense pursuant to ARS §49-488 who in any way denies, obstructs or hampers such entrance or inspection that is lawfully authorized by warrant.

The Permittee shall allow the Control Officer or his authorized representative, upon presentation of proper credentials and other documents as may be required by law, to:

- A. Enter upon the Permittee's premises where a source is located or emissions-related activity is conducted, or where records are required to be kept pursuant to the conditions of the permit;
- B. Have access to and copy, at reasonable times, any records that are required to be kept pursuant to the conditions of the permit;
- C. Inspect, at reasonable times, any sources, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required pursuant to this permit;
- D. Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or other applicable requirements; and
- E. To record any inspection by use of written, electronic, magnetic, and photographic media.

[Locally enforceable only]

18. EMISSIONS LIMITATIONS**A. Allowable Emissions**

The Permittee shall not allow overall emissions of Oxides of Nitrogen (NO_x) from the facility to be emitted into the atmosphere in excess of 1,480 lbs/day and a rolling twelve month total allowable emission of 228 tons/year.

For the purpose of these Permit Conditions, the rolling twelve month total allowable emission shall be calculated monthly using the data from the most recent twelve calendar months. (County Rule 210 §302.1 b.)

The allowable emission limitations of these Permit Conditions are based upon the facility as presently constructed and operated. They do not provide for facility changes or changes in the method of operation that would otherwise trigger applicable requirements, including New Source Review or Best Available Control Technology.

B. Other Emissions Limitations

- 1) The Permittee shall not discharge into the atmosphere from any stationary gas turbine any gases which contain nitrogen oxides in excess of:

$$\text{STD} = \frac{0.0150 (14.4)}{Y} + F \quad \text{where:}$$

STD = allowable NO_x emissions (percent by volume at 15 percent oxygen and on a dry basis).

Y = manufacturer's rated heat rate at manufacturer's rated peak load (kilojoules per watt hour), or actual measured heat rate based on lower heating value of fuel as measured at actual peak load for the facility. The value of Y shall not exceed 14.4 kilojoules per watt hour.

F = NO_x emission allowance for fuel-bound nitrogen as defined in paragraph (a)(3) of 40CFR §60.332.
(40CFR §60.332 (a)(2)) (40CFR §60.332 (c)) (County Rule 360)

- 2) The Permittee shall limit the emission of particulate matter into the atmosphere from the turbines and heaters in accordance with the equation:

$$E = 1.02 Q^{0.769} \quad \text{where:}$$

E = the maximum allowable particulate emission rate in pounds-mass/hr,
and

Q = the heat output in million BTU/hr.
(County Rule 311) (SIP Rule 31) (SIP Rule 311)

- 3) The Permittee shall not discharge into the ambient air from any single source of emissions any air contaminant, other than uncombined water, in

excess of 20% opacity (40% opacity per SIP Rule 30). (County Rule 300) (SIP Rule 30)

- 4) The Permittee shall not emit gaseous or odorous air contaminants from equipment, operations, or premises under his control in such quantities or concentrations as to cause air pollution. (County Rule 320) (SIP Rule 32)

19. OPERATING REQUIREMENTS

- A. The Permittee shall use only commercial grade "pipeline quality" natural gas, excluding landfill gas or gaseous fuels obtained by other than mere extraction from the earth, as fuel for the turbines. The Permittee shall not operate the turbines unless the natural gas feed line to the pump station has a dedicated, non-resettable flowmeter installed, and it is in good operating order.

For these Permit Conditions, "pipeline quality" natural gas shall be defined as natural gas that meets or exceeds the minimum standards contained in the current FERC-approved Tariff Agreement and is of sufficient quality to be shipped or piped across state lines. (40CFR §60.334 (b)) (County Rule 210 §302.1 b.) (County Rule 210 §305.1 a.(3)) (County Rule 360)

- B. The Permittee shall comply with one or the other of the following two conditions:
 - 1) Either the Permittee shall not combust fuel that contains greater than 0.8 weight percent sulfur in the turbines, (40CFR §60.333) (County Rule 360)
 - or,
 - 2) The Permittee shall not cause to be discharged into the atmosphere from any stationary gas turbine any gases which contain sulfur dioxide in excess of 0.015% by volume at 15% oxygen and on a dry basis. (40CFR §60.333 (a)) (County Rule 360)
- C. No more than two (2) of the three (3) turbines shall be operated at any given time, except for 30 minutes or less during switching. Switching is defined as the bringing on line of a third turbine while one of the two operating turbines is shut off. (40CFR §70.6(b)(1)) (County Rule 220 §305)
- D. The Permittee shall either meet the throughput limitation of this Permit Condition or shall conduct the Increased Throughput Testing required in the Testing section of these Permit Conditions.

The throughput limitation shall be defined as follows:

- 1) Upon issuance of this Permit, the facility may pump in excess of 8,750 42-gallon barrels per hour (70% of peak load) for no more than 6 hours during any 24 hour period.
- 2) If the Increased Testing Requirements of these Permit Conditions are triggered, then the throughput during that testing shall become the new throughput limit which shall not be exceeded for more than 6 hours during any 24 hour period. However, if the required testing is done in accordance

with the 40 CFR §60.335 test methods and procedures referred to in the Testing Requirements of these Permit Conditions (at 100% of design capacity), the throughput limitation of this Permit Condition will no longer apply. (40 CFR §60.335) (40CFR §70.6 (b) (1)) (County Rule 200 §303.3c.(5b))

- E. The Permittee shall operate the emergency generator for no more than 150 hours per year. (County Rule 200 §303.3c.(5b)) (locally enforceable only)
- F. The Permittee shall limit emissions of all VOC's in accordance with County Rule 330 including its equipment cleanup, VOC containment, and VOC disposal requirements unless the emissions are covered by a different specific County Rule. The Permittee shall use at least one of the methods of reduction in Rule 330 §304 if applicable VOC's are emitted in excess of the limits specified in section 300 of County Rule 330. Equipment cleanup and VOC containment and disposal shall also be conducted in accordance with the Rule. (County Rule 330) (locally enforceable only)
- G. If the Permittee conducts any abrasive blasting at the facility, it shall be done in accordance with County Rule 312, not to exceed 20% opacity and use at least one of the control measures allowed by the Rule. (County Rule 312) (locally enforceable only)
- H. The Permittee shall not allow architectural coatings to be used at the facility unless the coatings comply with the VOC content limits of County and SIP Rule 335. The Permittee shall not possess any containers for coatings subject to Rules 335 unless they are labeled with the information required by Rules 335. (County Rule 335) (SIP Rule 335)
- I. The Permittee shall minimize VOC emissions from the proposed "pigging" operation. Catch basins shall be equipped with drains to the sump and have a surface area of no more than 17 square feet. Pig removal and loading shall be conducted as quickly as possible and clean-up of any VOC's shall be immediate. (County Rule 330) (locally enforceable only)
- J. The Permittee shall not operate the heaters such that the sum of the hours of operation of Heater No. 1 plus the hours of operation of Heater No. 2 is greater than 8,760 hours per year. (County Rule 220 §305)
- K. For whenever the heaters are fired, unless the natural gas feed line to the heaters or turbines has a dedicated, non-resettable flowmeter installed, and in good operating order, the Permittee shall use the worst case emission rate, of either the turbines or heaters, to calculate the emissions for the whole site based on fuel usage as measured on the feed line to the pump station. (County Rule 210 302.1 b.) (locally enforceable only)

20. MONITORING REQUIREMENTS

- A. The Permittee shall monitor for sulfur content and nitrogen content of the fuel being fired in the turbine. The values shall be determined and recorded daily. Owners, operators or fuel vendors may develop custom schedules for determination of the values based on the design and operation of the affected facility and the characteristics of the fuel supply. These custom schedules shall

be substantiated with data and must be approved by the Administrator before they can be used for monitoring.

The Permittee may, in lieu of daily fuel sulfur content monitoring, continue to determine sulfur content of the fuel by adhering to its approved and previously permitted custom fuel content monitoring schedule as follows:

- 1) The Permittee shall monitor and record the sulfur content of the fuel on a semiannual basis, which is the minimum sampling frequency acceptable.
- 2) If an exceedance of the standard as specified in 40 CFR §60.333 occurs during monitoring, the Permittee shall notify the Control Officer of the exceedance within forty-eight hours. The Control Officer, at his discretion, may re-examine the monitoring schedule if the Permittee has an exceedance of the standard. The Permittee shall monitor the sulfur content of the fuel on a weekly basis during the period of time in which the Control Officer is re-examining the monitoring schedule. The Control Officer may allow resumption of the complete custom monitoring schedule from the start in response to an exceedance as follows:
 - a) The Permittee shall monitor and record the sulfur content of the fuel bimonthly (every two months) for a period of six months. If the sulfur content monitoring shows no exceedances of the standard as specified in 40 CFR §60.333 (sulfur content shall not exceed 0.8% by weight), then;
 - b) The Permittee shall monitor and record the sulfur content of the fuel once per quarter (three months) for six quarters. If the sulfur content monitoring shows no exceedances of the standard as specified in 40 CFR §60.333, then;
 - c) The Permittee shall monitor and record the sulfur content of the fuel on a semiannual basis, which is the minimum sampling frequency acceptable.
- 3) If an exceedance of the standard as specified in 40 CFR §60.333 occurs during monitoring, the Permittee shall notify the Control Officer of the exceedance within forty-eight hours. The Control Officer, at his discretion, may re-examine the monitoring schedule if the Permittee has an exceedance of the standard. The Permittee shall monitor the sulfur content of the fuel on a weekly basis during the period of time in which the Control Officer is re-examining the monitoring schedule. (40CFR §60.334 (b))

The Permittee may, in lieu of daily fuel nitrogen content monitoring, monitor for compliance with the fuel nitrogen content requirements of these Permit Conditions by complying with the condition of these Permit Conditions to only burn commercial grade "pipeline quality" natural gas. (County Rule 210) (County Rule 360)

- B. In order to monitor for compliance with applicable NO_x emissions limitations of these Permit Conditions, the Permittee shall maintain a record of the monthly

readouts of the dedicated natural gas flowmeter on the feed line to the site and, the one on the turbines or heaters if one is installed. (County Rule 210 §302.1 c.)

- C. The Permittee shall monitor for compliance with the allowable emission limits of these Permit Conditions for oxides of sulfur, SO_x, by complying with the requirement of these Permit Conditions that limits the Permittee to burn natural gas with a sulfur content of no more than 0.8% sulfur, or emit SO_x at concentrations of no more than 0.015% SO_x by volume at 15% O₂ on a dry basis. (40CFR §60.333) (40CFR §70.6(b)(1)) (County Rule 210 §302.1 b.) (County Rule 360)
- D. The Permittee shall monitor for compliance with the allowable emission limits of these Permit Conditions for oxides of nitrogen, NO_x, by complying with the following requirements of these Permit Conditions:
 - 1) The restriction that the Permittee operate no more than two turbines at a time nor heaters for more than a combined total usage of 8,760 hours;
 - 2) The Permittee monitor fuel use in accordance with the Monitoring Requirements of these Permit Conditions;
 - 3) The Permittee monitor crude oil throughput of the facility daily;
 - 4) And the source testing requirements of these Permit Conditions.

The Rolling Twelve Month Total Allowable Emission values shall be calculated monthly based upon:

- 5) Hours of operation;
 - 6) Fuel use;
 - 7) Acceptable emission factors;
 - 8) And/or any other acceptable parameters or data.
(40CFR §70.6(b)(1)) (County Rule 210 §302.1 b.)
- E. The Permittee shall monitor for compliance with the requirement to operate no more than two turbines at a time through the recordkeeping requirements of these Permit Conditions. (40CFR §70.6(b)(1)) (County Rule 220 §305)
 - F. The Permittee shall monitor for compliance with the particulate emissions limitations of these Permit Conditions by complying with all of the following:
 - 1) Meeting the opacity and visible emission requirements of these permit conditions;
 - 2) And operating no more than two turbines simultaneously and restricting their fuel usage in accordance with these Permit Conditions.
(40CFR §70.6(b)(1)) (County Rule 311) (SIP Rule 31)

- G. The Permittee shall monitor for compliance with opacity requirements for the following processes by taking a visual reading of the stack emissions of each operating turbine, each operating heater, and the emergency generator if operating, either once a week or whenever on-site if on-site less than once a week, but not less than once a month using either EPA reference method 9 or EPA reference method 22.

When using EPA reference method 22, if emissions are visible from any of these units the Permittee shall obtain an opacity reading conducted in accordance with EPA reference method 9 by an individual who is certified at that time as meeting the training and testing requirements as set forth in the EPA reference method. This method 9 reading will be taken within three (3) days of the visible emission or as soon as possible due to product throughput availability.

If the problem is corrected before three days have passed, and no emissions are visible, the Permittee shall log in their records the event, date, time, conditions, and any corrective actions taken and shall not be required to conduct the certified reading. If a method 9 reading is taken, the Permittee shall have subsequent method 9 readings taken weekly, while the source is in operation, until:

- 1) No opacity is observed, or
- 2) The emission source shows by method 9, opacity of less than 20% for four weekly readings in a row. The emission point shall then be tested by method 9 monthly until no opacity is observed.

For the purposes of these Permit Conditions, a certified VE reader shall mean an individual who, at the time the reading is taken, is certified by the Arizona Department of Environmental Quality (ADEQ) or their qualified contractor, as meeting the training and testing requirements as specified in EPA reference method 9. (County Rule 300) (SIP Rule 25) (SIP Rule 30)

- H. The Permittee shall monitor for compliance with particulate matter emission requirements by taking a visual reading of the stack emissions of each operating turbine, each operating heater, and the emergency generator if operating, either once a week or whenever on site if on-site less than once a week, but not less than once a month using either EPA reference method 9 or EPA reference method 22.

When using EPA reference method 22, if emissions are visible from any of these units the Permittee shall obtain an opacity reading conducted in accordance with EPA reference method 9 by an individual who is certified at that time as meeting the training and testing requirements as set forth in the EPA reference method. This method 9 reading will be taken within three (3) days of the visible emission or as soon as possible due to product throughput availability.

If the problem is corrected before three days have passed, and no emissions are visible, the Permittee shall log in their records the event, date, time, conditions, and any corrective actions taken and shall not be required to conduct the certified reading. If a method 9 reading is taken, the Permittee shall:

- 1) Have subsequent method 9 readings taken weekly until no opacity is observed; and,
- 2) The emission source is tested in accordance with these Permit Conditions to monitor for compliance with particulate matter limitations.

If the Permittee can then show that operating while emitting the tested opacity value (less than 20%), and its correlated tested PM10 emission rate, meets the PM10 emissions limits of these Permit Conditions, the Permittee may then use an alternate monitoring technique, for that source, to monitor for compliance with the PM10 emissions limits of these Permit Conditions. The alternate monitoring technique shall include:

- 3) The Permittee shall monitor for compliance with the PM10 emissions limits of these Permit Conditions by limiting the tested source or sources to not discharge into the ambient air from any single source of emissions any air contaminant, other than uncombined water, in excess of the opacity level during testing.
 - 4) The Permittee shall have subsequent method 9 readings taken either once a week or whenever on site if on-site less than once a week, but not less than monthly, of the source until the alternate monitoring technique is no longer used to monitor for compliance with the PM10 emissions limits of these Permit Conditions. (County Rule 311) (SIP Rule 25) (SIP Rule 311)
- I. The Permittee shall monitor for compliance with the emergency generator Operational Requirements through the Recordkeeping Requirements of these Permit Conditions. (County Rule 200 §303.3 c (5) (b)) (locally enforceable only)
 - J. The Permittee shall monitor for compliance with abrasive blasting opacity requirements by conducting a visible emission evaluation in accordance with the provisions in Section 500 of County Rule 312 once every 40 hours of operation of the abrasive blasting equipment. (County Rule 312) (locally enforceable only)
 - K. The Permittee shall monitor for compliance with the requirement to limit and control the emissions of odors through the maintenance of a log of complaints of odors detected off-site and reported by neighbors as required in the Recordkeeping section of these Permit Conditions. (County Rule 320) (SIP Rule 32)
 - L. The Permittee shall monitor for compliance with the architectural coating VOC limits required by these Permit Conditions through recordkeeping. (County Rule 335) (SIP Rule 335)
 - M. The Permittee shall monitor for compliance with the "pigging" Operating Requirements of these Permit Conditions through recordkeeping. (County Rule 330) (locally enforceable only) (County Rule 210 §302.1 c.) (locally enforceable only)
 - N. The Permittee shall monitor for compliance with the requirement to operate the turbines at no greater than 70% of peak load through recordkeeping. (40CFR §70.6(b)(1)) (County Rule 210 §302.1 b.) (County Rule 220 §305)

21. RECORDKEEPING REQUIREMENTS

All records required by these Permit Conditions shall be kept on file either on-site or at the Arizona Division Office of All American Pipeline located at 220 N. William Dillard Dr., Gilbert, AZ 85234. If the Arizona Division Office is relocated, the Permittee shall notify Maricopa County Environmental Services Department: Attention Air Quality Major Source Inspection Unit Manager. The Permittee shall then maintain all records either on-site or at the new Arizona Division Office in accordance with these Permit Conditions.

- A. The Permittee shall maintain records of fuel sample analyses performed at or for the facility. The records shall contain:
 - 1) The date, time, and location of the sampling;
 - 2) The date analysis was performed;
 - 3) The company or entity that performed the analysis;
 - 4) The analytical techniques or methods used;
 - 5) The results of such analyses; and,
 - 6) The operating conditions as existing at the time of sampling or measurement.
(40CFR §60.334 (b)) (County Rule 241) (County Rule 360)
- B. The Permittee shall maintain a copy of the current FERC-approved Tariff Agreement documenting maximum fuel sulfur content. (County Rule 210 § 302.1c.(2))
- C. The Permittee shall maintain records of readings taken at least monthly of the dedicated flowmeter on the natural gas supply line to the site and, if installed, the flowmeter on the turbines or heaters. (40CFR §60.334 (b)) (County Rule 311) (SIP Rule 31)
- D. When starting or stopping operation of turbines and heaters all start-up and shut-down times for each turbine and heater shall be contemporaneously logged. (County Rule 210 §302.1 d.)
- E. The Permittee shall maintain records of daily crude oil throughput of the facility. (County Rule 210 §302.1 d.)
- F. The Permittee shall maintain records of all visible emission and opacity observations required by these Permit Conditions. The records shall contain the date, time, and turbine or heater number, operating condition, and a statement of whether visible emissions were observed from the unit during periodic visible emission and opacity readings as well as if any other visible emissions were being generated by any other source or activity at the facility. If a reading is performed by a certified VE observer as required by these Permit Conditions, the certified VE reader's findings shall then be logged in accordance with EPA

reference method 9. In addition to the above parameters the name, affiliation, and certification expiration date of the certified VE reader shall be logged. (County Rule 300) (SIP Rule 30)

- G. All start-up and shut-down times and hours of operation of the emergency generator shall be contemporaneously recorded in a log. (County Rule 200§303.3c(5)(b)) (locally enforceable only) (County Rule 210 §302.1 d.) (locally enforceable only)
- H. The Permittee shall maintain records of any abrasive blasting. The records shall include:
 - 1) The opacity readings if any opacity was observed during the opacity monitoring conducted once for every 40 hours of operation of the abrasive blasting equipment;
 - 2) What type of control was used to meet the opacity requirements of these Permit Conditions; and,
 - 3) The date and hours of the abrasive blasting.
(County Rule 312) (locally enforceable only)
- I. The Permittee shall maintain a log of complaints of odors detected off-site and reported by neighbors. The log shall contain a description of the complaint, date and time that the complaint was received, and if given, name and phone number of the complainant. The log book shall describe what actions were performed to investigate the complaint, the results of the investigation, and any corrective actions that were taken. (County Rule 210 § 302.1c.(2)) (County Rule 210 § 302.1 d.) (County Rule 320) (SIP Rule 32)
- J. The Permittee shall maintain architectural coatings purchase records including:
 - 1) The number of pounds of VOC's per gallon of coating, as applied, excluding water and any colorants added to the tint base.
 - 2) The amount purchased.
(County Rule 335) (SIP Rule 32)
- K. The Permittee shall maintain "pigging" records including:
 - 1) The date and time of all pig removals;
 - 2) The time the removal process including clean-up is complete;
 - 3) The date and time of all pig loading; and,
 - 4) The time the loading process including clean-up is complete.
(County Rule 330) (locally enforceable only)
- L. The Permittee shall maintain records of the amount of product pumped per hour through the Gila facility. (40CFR §70.6(b)(1)) (County Rule 210 §302.1 d.) (County Rule 220 §305)

- M. All records will be in accordance with County Rule 210 §302.1 d. (County Rule 210 §302.1 d.) (locally enforceable only)

22. REPORTING REQUIREMENTS

All reports required by these Permit Conditions shall be submitted to the Maricopa County Environmental Services Department, Air Quality Division, Attn: Air Quality Major Source Inspection Unit Manager, unless otherwise directed.

For the reporting requirements of these Permit Conditions prompt shall be defined as two (2) days. (County Rule 210 §302.1 e.(2))

A. Six-Month Summary

- 1) The Permittee shall submit a summary of records to the County every six months. The six-month summary shall be submitted by August 1 for the January 1 through June 30 period and by February 1 for the July 1 through December 31 period. (County Rule 210 §302.1 e.(1)) (County Rule 210 §305.1 c.(1))

Specific elements that will be summarized, and the information to be reported are as follows:

- a) Fuel Usage: The Permittee shall summarize and report records of:
- (1) Total fuel usage and type used;
 - (2) Fuel grade and sulfur content, expressed as a percent sulfur by weight, and the method for determining the fuel sulfur and nitrogen content, as certified by the supplier or determined through the testing requirements of these Permit Conditions;
 - (3) Any change in any condition affecting the sulfur or nitrogen contents of the fuel in the FERC-approved Tariff Agreement; and,
 - (4) All start up and shutdown times of the turbines.
(40CFR §60.330) (County Rule 210 §302.1 b.)
- b) Crude Oil Throughput: The Permittee shall summarize and report records of hourly throughput through the Gila facility. (County Rule 210 §302.1 e.(1))
- c) Opacity: If no visible emissions were observed during the six month period addressed by the Six-Month summary, the Permittee shall make a statement to that effect, and include:
- (1) A list of equipment checked and found to have no visible emissions.
 - (2) The schedule used to check for visible emissions.

If visible emissions were observed during the six month period addressed by the Six-Month summary, the Permittee shall:

- (3) Report the date and source of the visible emissions.
 - (4) If the emission source was corrected within 3 days so that no Method 9 reading was required, a statement to that effect as well as a description of the actions taken to eliminate visible emissions.
 - (5) If a Method 9 opacity reading was required, the results of the readings shall be filed using a Department approved data sheet. (County Rule 300) (County Rule 311) (SIP Rule 30) (SIP Rule 311)
- d) Emergency Generator: The Permittee shall submit a summary of the hours of operation of the generator. (County Rule 200§303.3c(5)(b)) (locally enforceable only)
- e) Abrasive Blasting: The Permittee shall submit a summary of any abrasive blasting including the dates that blasting was conducted, the control technique used, and opacity readings, done over the six months being reported upon. (County Rule 312) (locally enforceable only)
- f) VOC's: The Permittee shall submit a summary of:
- 1) Any exceedances of applicable County and SIP Rules 336 VOC limits;
 - (2) And the logs of the walkaround inspections which show any deviations from compliance with these Permit Conditions. (County Rule 330) (County Rule 336) (SIP Rule 34) (SIP Rule 336)
- g) Odor Control: The Permittee shall submit:
- (1) A copy of the log of neighbor complaints of odor or air pollution.
 - (2) The results of investigations performed in response to odor or air pollution complaints and any corrective actions taken. (County Rule 320) (SIP Rule 32)
- h) Architectural Coatings: The Permittee shall submit a summary of records of architectural coatings used at the facility during the reporting period including:
- (1) The pounds of VOC's per gallon of coating, excluding water and colorant added to tint bases.
 - (2) The amount used. (County Rule 335) (SIP Rule 335)

- i) The Permittee shall submit a summary of records of pigging operations including:
 - (1) The date and time of all pig removals.
 - (2) The time the removal process, including clean-up, is complete.
 - (3) The date and time of all pig loading.
 - (3) The time the loading process, including clean-up, is complete.
(County Rule 330) (locally enforceable only)
 - j) The Permittee shall submit a summary of records of the amount of product pumped per day through the Gila facility. (40CFR §70.6(b)(1)) (County Rule 210 §302.1 e.) (County Rule 220 §305)
 - k) The Permittee shall include in the Six-Month summary, reports clearly identifying all instances of deviations from these Permit Conditions. (County Rule 210 §302.1 e.)
- B. If the Permittee operates the turbines at greater than 70% of peak load the Permittee shall notify in writing Maricopa County Environmental Services, Air Quality Division, Attn: Major Source Inspection Unit Manager Compliance Supervisor and Attn: Air Quality Technical Services Unit Manager within seven days of the increase. (County Rule 210 §302.1 e.)
- C. The Permittee shall promptly notify the Control officer of all exceedances of fuel sulfur content in accordance with the approved custom fuel content monitoring requirements of these Permit Conditions. (County Rule 210 §302.1 e.)

23. TESTING

- A. Initial Source Testing: The Permittee will conduct an initial source test of the three turbines for Carbon Monoxide (CO) and Oxides of Nitrogen (NOx) within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after the issuance of this Permit. The test shall be conducted using appropriate EPA methods and in accordance with:
- 1) A test protocol approved in writing by the Air Quality Division at least 30 days prior to the test for review and approval,
 - 2) And either:
 - a) 40 CFR §60.335 test methods and procedures
 - or
 - b) 40 CFR §60.335 test methods and procedures in conjunction with an EPA partial waiver.

If the Permittee tests in conjunction with an EPA partial waiver, turbines shall be tested at the maximum load achievable, approximately 70% (8,750 42-gallon barrels per hour) of capacity.

Operational parameters the Permittee deems measurable, and capable of later indicating that the units are operating within permitted limits including turbine fuel consumption per time, actual measured heat rate and maximum load achievable, shall be listed in the protocol and recorded during testing. The Permittee shall notify the Division in writing at least ten days ahead of the performance test to allow Division representatives to be present during testing. The notice shall include the date and time that the testing is to be conducted.

The Control Officer may choose to test only one or two of the three turbines in lieu of testing all three turbines. The selection of which turbine or turbines that shall be tested will be at the discretion of the Control Officer. The Control Officer reserves the right to test all three, or all that are presently capable of being in service.

The Permittee shall notify the Division in writing: Attention Air Quality Technical Services Unit Manager, prior to start-up of all turbines that were not capable of being in service during the most recent source test. The Control Officer reserves the right to test the not capable turbine when brought back into service giving reasonable notice.

The Permittee shall provide the Administrator at least 30 days prior notice of the performance test to afford the Administrator the opportunity to have an observer present.

Within 45 days after the completion of the performance test, a copy of all test results shall be submitted to the Division for review and approval.

Test protocol, performance test notification, and the copy of all test results submitted to the Department and/or Division shall be to the attention: Air Quality Technical Services Unit Manager.

The Permittee shall furnish the Administrator a written report of the results of the performance test. (40CFR §60.8) (40CFR §330) (SIP Rule 27) (County Rule 270) (County Rule 360)

- B. Increased Throughput Testing Requirements: If the Permittee ever operates turbines at greater than 70% of peak load, the Permittee shall test the turbines at the new maximum percent of peak load the turbines are operated at, within 60 days of operation at greater than 70% of peak load, but not later than 180 days past the time of increased loading, in accordance with these Permit Conditions. (40CFR §60.8) (40CFR §330) (SIP Rule 27) (County Rule 270) (County Rule 360)
- C. Periodic Testing Requirements: The Permittee shall conduct subsequent tests of the turbines for NOx and CO. The frequency of the tests shall be relative to the NSPS-allowable NOx concentration as follows:

- 1) If the prior test indicated actual emissions at or over 85% of the NSPS allowable emission rate, one or more turbines, the selection of which at the discretion of the Control Officer, shall be tested again not later than 12 months after the preceding performance test.
 - 2) If the prior test indicated actual emissions under 85%, but at or over 60%, of the NSPS allowable emission rate, one or more turbines, the selection of which at the discretion of the Control Officer, shall be tested again not later than 24 months after the preceding performance test.
 - 3) If the prior test indicated actual emissions under 60% of the NSPS allowable emission rate, one or more turbines, the selection of which at the discretion of the Control Officer, shall be tested again not later than 36 months after the preceding performance test.
(40CFR §60.8) (40CFR §60.330) (SIP Rule 27) (County Rule 270) (County Rule 360)
- D. Particulate Matter Testing Requirements: If the Permittee must test a source in order to monitor for compliance with particulate matter limitations of these Permit Conditions, the Permittee shall:
- 1) Submit a test protocol approved in writing by the Division at least 30 days prior to the test for review and approval.
 - 2) Test for PM₁₀ emissions using the appropriate EPA reference method.
 - 3) Contemporaneously test for opacity using EPA reference method 9.

Within 45 days after the completion of the performance test, a copy of all test results shall be submitted to the Division for review and approval.

Test protocol, performance test notification, and the copy of all test results submitted to the Department shall be to the attention: Air Quality Technical Services Unit Manager. (County Rule 270) (County Rule 311) (SIP Rule 27) (SIP Rule 311)

**Appendix A
Equipment List
All American Pipeline, L.P.
PO Box 40160, Bakersfield, CA 93384-0160
for the Gila Pump Station
Title V Permit #V95-015
June 23, 1999**

Turbine No. 1 - Solar Centaur T-4000, natural gas fired, 3,800 horsepower (ISO conditions), driving a 12 x 17 DVS United Pump.

Turbine No. 2 - Solar Centaur T-4000, natural gas fired, 3,800 horsepower (ISO conditions), driving a 12 x 17 DVS United Pump.

Turbine No. 3 - Solar Centaur T-4000, natural gas fired, 3,800 horsepower (ISO conditions), driving a 12 x 17 DVS United Pump.

Heater No. 1 - C.G. Broach natural gas fired heater, 41.0 MMBtu/hr.

Heater No. 2 - C.G. Broach natural gas fired heater, 41.0 MMBtu/hr.

Ancillary piping components.

Emergency Generator - Onan 100DGDB 60 Hz diesel-fueled generator set, 166 horsepower.

36-inch "pigging" operation scraper launcher (proposed).

36-inch "pigging" operation scraper receiver (proposed).

Buried, welded steel, 2,100 gallon sump tank.

Strainer No. 1 - 24-inch ANSI 600 strainer.

Strainer No. 2 - 24-inch ANSI 600 strainer.

**Engineering Evaluation
Notes
All American Pipeline, L.P.
PO Box 40160, Bakersfield, CA 93384-0160
for the Gila Pump Station
Title V Permit #V95-015
June 23, 1999**

This engineering evaluation is arranged following the sections of the permit. "Notes by Applicable Rule" follows, where the applicability of, or ways to comply with, a rule need special explanation. Any section or condition of the permit not addressed here needs no special explanation or note other than the permit condition itself and its cited rule(s).

The following table is for public informational purposes and does not constitute an emission limit:

Pollutant	Potential Daily Emissions (lbs/day)	Rolling Twelve Month Potential Emissions* (tons/year)
Carbon Monoxide (CO)	430	68.0
Oxides of Nitrogen (NOx)	1,480	228.0
Oxides of Sulfur (SOx)	10	0.4
Total of all Volatile Organic Compounds (VOC's)	120	8.2
Particulate Matter 10 microns and smaller (PM10)	40	5.6

For the purpose of these Permit Conditions, the rolling twelve month total allowable emission shall be calculated monthly using the data from the most recent twelve calendar months.

The following table is for public informational purposes and does not constitute an emission limit:

	AAAQG			Screen 3		
concentration in units of:	$\mu\text{g}/\text{m}^3$			$\mu\text{g}/\text{m}^3$		
	1-hr	24-hr	annual	1-hr	24-hr	annual
Formaldehyde:						
at 100 ft.	20	12	8×10^{-2}	5×10^{-7}	2×10^{-7}	4.2×10^{-8}
max. at 610 ft.	20	12	8×10^{-2}	1.5	0.6	0.1

18. Emissions Limitations

A. Allowable Emissions

The limits are justified by the rule cited. Example calculations demonstrating the values of the limits are found in Engineering Evaluation, Calculations section. Limits are totals of two natural gas fired turbines, one natural gas fired heater, and the diesel fired emergency generator. The facility is permitted to run only two turbines at a time and to run the heaters for a cumulative total of 8,760 hours a year.

B. Other Emissions Limitations

- 1) NSPS Subpart GG is applicable as the turbines are 36 MMBtu/Hr and were constructed in 1985.
- 2) The fuel burning equipment is the affected source under this rule. Since the equipment only burns natural gas, insignificant particulate emissions are expected. Opacity will serve as monitoring for compliance.
- 3) Both the 20% county opacity limit and the 40% SIP opacity limit are listed because the county limit is locally enforceable and the SIP is federally enforceable. Therefore both rules are applicable permit conditions.

19. Operating Requirements

- A. & B.** Condition 19.B. is included because it is an applicable NSPS requirement, even though 0.8 weight percent sulfur seems too high for gaseous fuel. Condition 19.A. limits the Permittee to the burning of "pipeline quality" gas. Compliance with this condition is monitored for by the requirement to maintain a copy of the current FERC-approved Tariff Agreement in condition 21.B. The FERC Agreement contains a much stricter fuel sulfur content limit.
- C.** The Permittee says they only use their third turbine as a backup. All their calculations in their application are based upon only two turbines, thus the permit condition is included as a self imposed voluntarily taken operating limit. Since this operational restriction was taken to keep from triggering the federal PSD program based on potential NOx emissions being greater than 250 tons per year, this condition is federally enforceable.
- D.** The pipeline cannot carry a throughput of product sufficient to test turbines at 100% load as the NSPS requires. The Permittee shall test in

accordance with a partial NO_x waiver at 70% and not operate at a throughput greater than that unless they retest. The partial NO_x waiver was obtained from EPA in correspondence from Mr. Duane James to All American Pipeline, L.P. dated February 3, 1999.

- E.** The diesel generator has a limit of hour of operation of 150 hrs/yr instead of 500, as a voluntarily taken limit by the Permittee. Mr. Jeff Godfrey said they wanted this limit to keep their numbers consistent with an application they already submitted to Pinal County.
- G.** The Permittee conducts periodic maintenance abrasive blasting at its facility, and if they need to in the future they will already be permitted to do so.
- H.** The Permittee conducts periodic maintenance architectural coating at its facility, and if they need to in the future they will already be permitted to do so.
- I.** The Permittee is planning to install a “pigging” operation at their facility. The emissions were shown to be minimal due to the project, so it is included in this permit.
- J.** This permit condition, like Permit Condition #19C, is a self-imposed voluntarily taken operating limit. Since this operational restriction was taken to keep from triggering the federal PSD program based on potential NO_x emissions being greater than 250 tons per year, this condition is federally enforceable.

20. Monitoring Requirements

- A.** The custom schedule of sampling for sulfur in the fuel gas was a part of the Permittee’s operating permit that was valid during the processing of this Title V permit application. It is natural that the Permittee continue their custom monitoring schedule.

In a memo from John Rasnic, Chief, Compliance Monitoring Branch to Air Compliance and Air Programs Branch Chiefs, Regions I-X, Mr. Rasnic states that “it has been determined that the Regional Offices do have the authority to approve Subpart GG custom fuel monitoring schedules.” The Permittee’s custom schedule was approved by region IX in Significant Permit Revision #S96-004 in 1996. The Control Officer does not have the authority to make new, waive existing, or change provisions of the schedule. He may only reexamine upon exceedances and possibly require the Permittee to restart the schedule at the beginning with the most frequent monitoring.

In the memo, Rasnic also stated, "nitrogen monitoring can be waived for pipeline quality natural gas, since there is no fuel-bound nitrogen and since the free nitrogen does not contribute appreciably to NOx emissions".

- F. Compliance with the emission limits for PM10 will be monitored for by monitoring for zero visible emissions. When comparing the emission rate allowed by Rule 311 to the expected emission rate using AP-42 factors the Rule 311 rate is more than 10 times the expected AP-42 rate.
- L. This Permit Condition was written in order to demonstrate compliance with County Rule 320, Odors and Gaseous Air Contaminants. This technique of neighbors monitoring for emissions continually, shall serve as monitoring.

23. Testing

An initial source test was never conducted according to NSPS 60.8.

Notes by Applicable Rule

A. Federal

1) 40 CFR §60.8 Performance Tests.

The turbines are the affected facility. Testing will be for NOx and CO in accordance with 60.8.

2) 40CFR§60.332 Subpart GG.

The turbines are the affected facility. The Permit Conditions cover the various requirements.

B. County Rules

1) County Rule 300 Visible Emissions.

Opacity is an applicable requirement affecting the whole source. Turbines are run off natural gas so the Permittee should probably not exceed 0%. If they do, Permit Conditions were written in such a way that they shall get a certified V.E. reader to verify compliance with the 20% opacity limit of Rule 300, and read opacity weekly until they are back to 0% or source test. Opacity shall be monitored during the periodic walkaround self-inspection. Any opacity shall be reported to the Large Source Compliance Supervisor promptly, as defined in the Permit Conditions as two days. Permit Conditions require all records of opacity

and monitoring shall be kept and reported upon in the Six-Month Summary.

2) County Rule 311 Particulate Matter From Process Industries.

The equations for fuel burning industries are applicable. Permit Conditions require compliance to be monitored for by meeting 0% opacity requirements of the Permit Conditions as 0% opacity is, for all practical purposes, significantly below the value of allowable emissions under the equations of Rule 311. If the Permittee chooses to regularly operate with any opacity they will source test to verify Rule 311 compliance and correlate PM10 loading to opacity. Recordkeeping and Reporting of opacity is achieved in the compliance with County Rule 300.